Muons in roentgenium (Rg)

Z	A [g/mol]	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
111 (Rg)	[282.1691(7)]	??	1143.0	0.28162	3.0000	0.6672	3.0000	6.6477	0.00

T	p [MeV/c]	Ionization	Brems	Pair prod	Photonucl	Total	CSDA range [g/cm^2]
		[MeV cm^2/g]					
10.0 MeV	4.704×10^1	3.505				3.505	1.703×10^0
14.0 MeV	5.616×10^1	2.832				2.832	2.983×10^0
20.0 MeV	6.802×10^1	2.280				2.280	5.367×10^0
30.0 MeV	8.509×10^1	1.819				1.819	1.034×10^1
40.0 MeV	1.003×10^2	1.579				1.579	1.627×10^1
80.0 MeV	1.527×10^2	1.227				1.228	4.582×10^1
100. MeV	1.764×10^2	1.167				1.167	6.258×10^1
140. MeV	2.218×10^2	1.111				1.111	9.786×10^1
200. MeV	2.868×10^2	1.091				1.091	1.525×10^2
207. MeV	2.943×10^2	1.091	0.000			1.091	*Minimum ionization*
300. MeV	3.917×10^2	1.105	0.000		0.000	1.106	2.438×10^2
400. MeV	4.945×10^2	1.133	0.000		0.000	1.134	3.331×10^2
800. MeV	8.995×10^2	1.234	0.001		0.000	1.236	6.699×10^2
1.00 GeV	1.101×10^3	1.271	0.002		0.000	1.273	8.293×10^2
1.40 GeV	1.502×10^3	1.327	0.003		0.000	1.331	1.136×10^3
2.00 GeV	2.103×10^3	1.387	0.005	0.000	0.001	1.394	1.576×10^3
3.00 GeV	3.104×10^3	1.453	0.009	0.003	0.001	1.466	2.274×10^3
4.00 GeV	4.104×10^3	1.497	0.013	0.006	0.001	1.519	2.944×10^3
8.00 GeV	8.105×10^3	1.595	0.033	0.025	0.003	1.656	5.456×10^3
10.0 GeV	1.011×10^4	1.624	0.044	0.036	0.004	1.708	6.645×10^3
14.0 GeV	1.411×10^4	1.664	0.067	0.060	0.005	1.796	8.927×10^3
20.0 GeV	2.011×10^4	1.704	0.104	0.099	0.007	1.915	1.216×10^4
30.0 GeV	3.011×10^4	1.745	0.170	0.178	0.010	2.105	1.714×10^4
40.0 GeV	4.011×10^4	1.773	0.240	0.264	0.014	2.293	2.169×10^4
80.0 GeV	8.011×10^4	1.834	0.543	0.648	0.027	3.054	3.676×10^4
100. GeV	1.001×10^5	1.853	0.704	0.856	0.033	3.448	4.292×10^4
114. GeV	1.144×10^5	1.864	0.820	1.006	0.038	3.729	*Muon critical energy*
140. GeV	1.401×10^5	1.880	1.033	1.283	0.047	4.245	5.337×10^4
200. GeV	2.001×10^5	1.909	1.548	1.962	0.066	5.488	6.578×10^4
300. GeV	3.001×10^5	1.942	2.426	3.094	0.099	7.564	8.124×10^4
400. GeV	4.001×10^5	1.966	3.333	4.269	0.133	9.701	9.289×10^4
800. GeV	8.001×10^5	2.022	7.070	9.084	0.268	18.446	1.223×10^5
1.00 TeV	1.000×10^6	2.041	8.988	11.548	0.337	22.915	1.320×10^5
1.40 TeV	1.400×10^6	2.069	12.827	16.458	0.477	31.833	1.468×10^5
2.00 TeV	2.000×10^6	2.099	18.694	23.952	0.689	45.437	1.625×10^5
3.00 TeV	3.000×10^6	2.134	28.479	36.404	1.053	68.073	1.803×10^5
4.00 TeV	4.000×10^6	2.159	38.387	48.989	1.423	90.960	1.930×10^5
8.00 TeV	8.000×10^6	2.220	78.296	99.562	2.952	183.032	2.234×10^5
10.0 TeV	1.000×10^7	2.240	98.391	124.977	3.737	229.348	2.331×10^5
14.0 TeV	1.400×10^7	2.271	138.471	175.702	5.347	321.794	2.478×10^5
20.0 TeV	2.000×10^7	2.304	198.912	252.116	7.812	461.147	2.633×10^5
30.0 TeV	3.000×10^7	2.343	299.628	379.217	12.068	693.259	2.809×10^5
40.0 TeV	4.000×10^7	2.371	400.696	506.610	16.423	926.102	2.933×10^5
80.0 TeV	8.000×10^7	2.439	804.927	1016.537	34.586	1858.491	3.232×10^5
100. TeV	1.000×10^8	2.461	1007.160	1271.730	43.960	2325.314	3.328×10^5